

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|---------|-----------------------------------------------|----------------------------------------------------|------------------|---------|------------------|
| L1 | 14275 | "GPR" or ((ground adj penetrating) and radar) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/09 08:30 |
| L2 | 88181 | radar | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/09 08:30 |
| L3 | 712 | L1 and L2 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/09 08:30 |
| L4 | 237791 | marker | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/09 08:30 |
| L5 | 66 | L3 and L4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/09 08:30 |
| L6 | 1977980 | optical | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/09 08:30 |
| L7 | 35 | L5 and L6 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/09 08:30 |
| L8 | 31 | L5 not L7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/09 08:30 |

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|-----|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------|----|-----|------------------|
| L9 | 1 | 8 and @pd>="20050106" and @ad<="20031003" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/09 08:34 |
| L10 | 6166 | ((342/22) or (342/27) or (342/52) or (342/54) or (342/179) or (342/190) or (342/192) or (342/450) or (342/452) or (342/459) or (342/463) or (436/147) or (436/173) or (336/232) or (324/242) or (324/243) or (324/326) or (324/345) or (340/870.32)).CCLS. | US-PGPUB; USPAT | OR | OFF | 2006/01/09 08:35 |
| L11 | 228 | L10 and @pd>="20050106" and @ad<="20031003" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/01/09 08:35 |

SEARCH NOTES FOR EAST AND IEEE AND INSPEC AND IP.COM

SERIAL NUMBER

10678702

EAST SEARCH

EAST: search history attached

IEEE SEARCH

Search terms:

ground <and> penetrating <and> radar <and> optical

1. "A new bistatic GPR system using a passive optical sensor for landmine detection", Sato, M., Advanced Ground Penetrating Radar, 2003. Proceedings of the 2nd International Workshop on 14-16 May 2003 Page(s): 164 - 167
2. "Bistatic GPR system for landmine detection using optical electric field", Sato, M. Antennas and Propagation Society International Symposium, 2003. IEEE Volume 2, 22-27 June 2003 Page(s): 207 - 210 vol.2

INSPEC SEARCH

Search history:

| No. | Database | Search term | Info added since | Results | |
|-----|----------|----------------------------------------------|------------------|---------|-----------------------------|
| 1 | INZZ | ground AND penetrating AND radar AND optical | unrestricted | 687 | show titles |
| 2 | INZZ | marker | unrestricted | 5272 | show titles |
| 3 | INZZ | 1 AND 2 | unrestricted | 0 | - |
| 4 | INZZ | position | unrestricted | 206572 | show titles |
| 5 | INZZ | 1 AND 4 | unrestricted | 41 | show titles |

Inspec – 1969 to date (INZZ)

Handheld GPR and MD sensor for landmine detection.

Source

2005 IEEE Antennas and Propagation Society International Symposium (IEEE Cat. No. 05CH37629), 2005,

vol. 3B, p. 104-7 vol. 3B, 2 refs, pp. 8 vol. (xiii+5478), ISBN: 0-7803-8883-6.

Publisher: IEEE, Piscataway, NJ, USA.

Author affiliation

Sato, M., Xuan Feng, Tohoku Univ., Sendai, Japan.

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Polarimetric bistatic GPR imaging and detection of landmines in the near field with the "vampire effect".

Source

ANTEM 2004/URSI – 10th International Symposium on Antenna Technology and Applied Electromagnetics

and URSI Conference, 2004, p. 77–81, 6 refs, pp. 682, ISBN: 0-9692563-9-6.

Publisher: ANTEM Inc, Winnipeg, Man., Canada.

Author affiliation

Phelan, M., Lo Vetri, J., Manitoba Univ., Winnipeg, Man., Canada.

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1

IP.COM SEARCH

Search terms:

ground and penetrating and radar and optical

Result # 1 Relevance:

[Bistable photoconductive switches particularly suited for frequency-agile, radio-frequency sources](#)

12-Sep-2000 IPCOM00001695D English (United States)

A photoconductive switching device is disclosed that has an enhanced speed response so that its closed (low) and open (high) resistive states are obtained in response to optical illumination in the less than nanosecond regime. The enhanced speed of response is achieved by ...

Result # 2 Relevance:

[Bistable photoconductive switches particularly suited for frequency-agile, radio-frequency sources](#)

14-Sep-2000 IPCOM00004311D English (United States)

A photoconductive switching device is disclosed that has an enhanced speed of response so that its closed (low) and open (high) resistive states are obtained in response to optical illumination in the less than nanosecond regime. The enhanced speed of response is achieved by ...

Result # 3 Relevance:

[Eloge: Harold Locke Hazen, 1901 - 1930](#)

1981-01-01 IPCOM000129359D English (United States)

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